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### **DETAILED ACTION**

1. This Office Action is in regard to the most recent papers filed on 1/29/2010.

### ***Response to Arguments***

2. Applicant's arguments filed 6/10/2009 have been fully considered but they are not persuasive.
3. On page 12, Applicant discusses the substance of the telephone interview conducted January 12, 2010. While the substance of the interview was correct, it has been determined that the amendments to claims 1 and 16 were insufficient for overcoming the rejection under 35 USC 102. However, the subject matter presented in claims 24-27 were sufficient to overcome the rejection under 35 USC 102, and stand rejected under 35 USC 103(a).
4. On pages 14-15, Applicant argues the rejection of claim 1, arguing that RFC2778 does not disclose a user profile, or a user profile that comprises a record of data and at least one availability mode. However, as shown in the rejection of claim 1, the presence information shown on page 6 of RFC2778 is the presence information provided by a single user, where the server accepts the presence information (RFC2778: Page 2, Section 2). Further, as can be seen on page 6 of RFC2778, the presence information is a record that has a list of services (CONTACT MEANS) and at least one availability mode (STATUS). Thus, as claim 1 only requires at least one profile, and the presence information of RFC2778 is information regarding one user, and meets the requirements

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set forth in claim 1 to be a profile, RFC2778 teaches the profile in as much detail as required by claim 1.

5. Further, on page 15, Applicant argues that claim 1 requires a list of telecommunications services. However, as detailed above, each presence tuple includes a service, meaning that the presence information includes a list of telecommunications services.

6. Further, on page 15, Applicant argues that RFC2778 does not disclose selecting one of the at least one user profile and at least one availability mode stored in the data base as an active user profile. However, as the language of claim 1 is satisfied with a single profile, it is clear that in situations where there is a single profile, this profile is always selected if the user is using the system. Further, in RFC2778, the user provides the information to the server in order to have the server utilize the information for the user's status (RFC2778: Page 2, Section 2). Accordingly, the presence information for the user is always selected to be used as long as the presence information is stored for the user.

7. On pages 15-16, Applicant argues that the previous states are not saved in the disclosure of RFC2778, and thus RFC2778 cannot teach the selecting. However, as detailed above, claim 1 does not require that multiple states are stored, rather, only one profile is stored. It is further noted that claims 24-27 remedy this problem, and the storage and selection of multiple profiles is taught by Parsons, as detailed below.

8. On page 17, Applicant argues that RFC2778 does not disclose an "event." However, as detailed below, the term "event" is not defined in the claims in a manner

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that serves to satisfactorily limit the term. First, the event that the service is to be notified, as detailed below, is changes of presence information, which is the role of a watcher. As for the event which the telecommunications service is capable of transmitting to the service mediation server, there is no requirement of what constitutes an event or that this event is different than the other event. Further, the use of the term "capable" only requires that the event is able to be transmitted by the telecommunications service. However, the event constitutes data, and any data is capable of being transmitted from any source to any destination in a communications network. Applicant should amend the language to further define the events, and to recite functionality associated with each of the events and the specifying of each of the events.

9. Thus, after careful consideration of Applicant's arguments, the rejection of the instant claims has been maintained.

### ***Claim Rejections - 35 USC § 102***

10. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

11. Claims 1, 3-5, 16-18, and 22-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Day, Rosenberg and Sugano in RFC 2778, "A Model for Presence and Instant Messaging" from February 2000, hereafter referred to as "RFC2778."

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12. With regard to claim 1, RFC2778 discloses a method for coordinating telecommunication services provided to a plurality of users via at least one communications terminal connected to at least one telecommunications network, wherein a service mediation server coordinates processing operations performed by the telecommunication services on behalf of the user, the method comprising:

connecting the telecommunication services to the service mediation server;

specifying, by each of the telecommunications services, at least one event of which the telecommunications service is to be notified by the service mediation server and at least one event which the telecommunications service is capable of transmitting to the service mediation server (RFC2778: Page 3, Figure 1 and Page 1, section 1. The Watchers can subscribe to be informed of the presence of a presentity. The action of subscribing specifies that the watcher wishes to be informed of any changes in state. It is noted that the instant language, as currently presented, does not require that the events are different events, and only requires that the events are specified, but does not require that any information is provided concerning the capability of transmitting by the telecommunications services. Rather, the event has to be one which the telecommunications service is capable of transmitting to the service mediation server. Further, there is no requirement as to what constitutes an "event." For example, an event could simply be sending the information to the server, or could the event could be information pertaining to the user (such as the user has come online.).),

connecting the at least one telecommunications terminal a user to the service mediation server (RFC2778: Page 4. The presentity connects to the presence server.);

defining, via the at least one telecommunications terminal, at least one user profile, the at least one user profile, the at least one user profile comprising a record of data concerning the user (RFC2778: Page 6), the data including at least a list of telecommunications services to which the user has subscribed from among a plurality of available telecommunications services to which the user has subscribed from among a plurality of available telecommunications services (RFC2778: Page 2, section 2, Page 5, Section 2.4, and Page 6. The user provides the presence information according to section 2. According to section 2.4, the presence information includes an "arbitrary number of elements, called PRESENCE TUPLES." Each presence tuple includes "COMMUNICATION MEANS," where the one that is focused on in RFC2778 is "INSTANT MESSAGE SERVICE," meaning that the communication means refers to a service. Thus, the presence information provides a list of services "COMMUNICATION MEANS," where the list of services is of an arbitrary amount (As there is an arbitrary number of presence tuples. It is noted that the instant claim includes the language "from among a plurality of available telecommunications services. However, there is no requirement as to how these are selected, or that the list only includes the available services. Applicant should provide more detail as to how the list is selected.), and at least one availability mode corresponding to an activity of the user (RFC2778: Page 5, section 2.4, and Page 6. The user provides the status information to the presence server, where the status corresponds to an activity.);

transmitting, from the telecommunications terminals to the server mediation server, the at least one user profile including an availability mode (RFC2778: Page 6. The presence tuples each include a status.);

storing the at least one user profile in a database of the mediation server (RFC2778: Page 2, section 2.1. The presence information is to be stored.)

selecting, via the at least one telecommunications terminal of the user, one of the at least one user profile and an availability mode stored in the database as an active user profile and availability mode (RFC2778: page 5, section 2.4. The presence information, which constitutes a “user profile” is sent to the presence server. As this is the user profile, this is selected to be activated. It is noted that the claim language only requires "at least one user profile," meaning that when there is only one user profile, and that user profile is always used, then the user profile is always selected.);

accessing, by the at least one telecommunications terminal, at least one of the connected telecommunications services (RFC2778: Page 4, step 3b; page 9, access rules, page 6, and Page 12, presentity. The presentity connects to the presence server to declare the status of the presence server. Information of the presentity is stored in a “Presence Tuple” at the presence server.);

determining, by the service mediation server a state of connectability of the user based on whether at least one telecommunications terminal is connected to the service mediation server, and the active user profile and availability mode (RFC2778: Page 2, Section 2.1);



transmitting, from the service mediation server to the at least one telecommunications terminal, the state of connectability of contacts in a list that is part of the active user profile of the user (RFC2778: Page 3 and Page 9, section 2.7. The terminal is notified of the status of any presentities that the terminal subscribed to.); and

transmitting, for each event received from a telecommunications service, an event notification from the service mediation server to a telecommunication service having specified that the telecommunications service is to be notified of the event (RFC2778: Page 3, Figure 1, and page 1, section 1. The services that subscribed to a presentity is notified of the presentity's status when the status changes.).

13. With regard to claim 3, RFC2778 teaches that each availability mode defined by a user also includes availability rules specifying periods in which the availability mode is active (RFC2778: Page 9, "ACCESS RULES").

14. With regard to claim 4, RFC2778 discloses that the state of connectability of each user determined by the mediation server can be in one of the following states:

connectable if the active availability mode for the user is in the available state and if at least one user terminal is connected to the service mediation server (RFC2778: Page 5, Section 2.4. If the user is connected to the mediation server (presence server), and the user is reported as online, the user is connectible. Further, to anticipate the instant claim, only one of the states needs to be disclosed, as the claim states, "the connectability state"..."can be in **one** of the following states."),

not connectible if no user is connected to the mediation server (RFC2778: Page 5, section 2.4),

access to the connectability state subject to authorisation if the user wants his/her connectability state to be provided to other users only with his/her prior authorisation,

in transfer if the user specified that incoming calls intended for him/her must be transferred to a call number specified in the active availability mode (RFC2778: Page 5, section 2.4. It is noted that the "call number" does not have to be different than the standard call number of the user. Thus, the online state meets this limitation.),

unknown if the requested user is not registered with the service mediation server or if he/she does not want his/her connectability state to be accessible.

15. With regard to claim 5, RFC2778 discloses that the transmission of event notifications by the service mediation server is carried out upon request of each connected service (RFC2778: Page 3. The presentities and watchers have to connect to the presence server, and the watchers have to request the information.).

16. With regard to claim 16, the instant claim is substantially similar to claim 1, and is rejected for substantially similar reasons.

17. With regard to claim 17, RFC2778 teaches an identification/authentication module adapted to identify and authenticate users that attempt to access the service

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mediation system or select a telecommunications system (RFC2778: Page 6. The users are at least identified by the presence tuple.).

18. With regard to claim 18, RFC2778 teaches an interface module (RFC2778: Page 8. The presence service is accessed via the network, meaning that the system executing the presence service includes some interface to the network) adapted:

to provide access to the telecommunications server by the at least one telecommunications network (RFC2778: Page 8. The presence service is accessed by the network.),

and to receive processing requests from the at least one telecommunications services or users (RFC2778: Page 8. The presence service receives requests for the presence and receives status updates.),

to retransmit the processing requests to a component of the telecommunications server responsible for performing a requested operation (RFC2778: Page 8. The interface receives the request via the network, and transmits it to the program that executes the service.), and

to transmit a response from the component of the telecommunication server in response to the processing request (RFC2778: Page 8. The interface receives the response to the request and transmits it to the destination.).

19. With regard to claim 22, RFC2778 teaches that the at least one telecommunication network is selected from the group consisting of: a terrestrial

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telephone network, a cellular telephone network, and a computer network (the network of RFC2778 at least constitutes a “computer network.”).

20. With regard to claim 23, the instant claim includes subject matter that is substantially similar to that found in claim 1, and is rejected for substantially similar reasons.

***Claim Rejections - 35 USC § 103***

21. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

22. Claims 2, 6, and 19-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over RFC2778.

23. With regard to claim 2, RFC2778 discloses that each availability mode defined by a user includes:

an availability state capable of having the values of available, not available, in call transfer to a specified call number (RFC2778: Page 5, Section 2.4. “in call transfer to a specified call number,” as claimed, does not require that the number is a different number than the user’s normal number. Thus, the user’s regular number, and thus “available” is equivalent to “in call transfer to a specified call number,” as the presence

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is with respect to a "specific call number," and any call that is made is transferred to the destination.),

an optional terminal identifier to which an incoming call intended for the user is transferred (RFC2778: Page 5, Section 2.4. First, the term "optional" means that this limitation is not required to anticipate or teach the instant claim. Second, the call is transferred to the user's contact address.),

an event notification mode (RFC2778: Page 14, watcher and watcher information).

RFC2778 does not appear to disclose expressly:

an availability list capable of having the values of an unknown number if the user does not want his/her availability state to be accessible, and

a list of contacts to which the availability state applies.

However, Official Notice (see MPEP 2144.03) is taken that a person of ordinary skill in the art would have known how to allow the user to be "invisible" to other users (an availability list capable of having the values of an unknown number if the user does not want his/her availability state to be accessible) and have different availabilities for different contacts (a list of contacts to which the availability state applies).

Thus, it would have been obvious to have: an availability list capable of having the values of an unknown number if the user does not want his/her availability state to be accessible, and a list of contacts to which the availability state applies in the disclosure of RFC2778.

The suggestion/motivation for doing so would have been that many user's prefer to have some control over their settings to allow for privacy. Thus, a user may wish to be "invisible," thus not allowing the user's state to be known, or have different states for different users. The different states for different users allows some other users to essentially be blocked, where the user does not wish to be contacted by the other users, yet desirable users would still see the user as being available. It is noted that some collaboration tools on the market already perform this functionality, such as AOL Instant Messenger, where users may be blocked (thus reporting the user of the system as being unavailable), or allows the user to be invisible (which allows the user to be online without the user's status being known to others).

24. With regard to claim 6, RFC2778 discloses that the transmission of an event notification by the service mediation server is performed upon receipt of the event if the service is connected (RFC2778: Page 3, Figure 1. However, RFC2778 does not appear to disclose expressly that otherwise, the event is stored in a log and is notified to the service when the latter connects to the service mediation server.

However, Official Notice is taken a person of ordinary skill in the art would have known how to store a message for a user when the user is not connected for later delivery.

Thus, it would have been obvious to have the event is stored in a log and is notified to the service when the latter connects to the service mediation server.

The suggestion/motivation for doing so would have been that even notifications intended for the service can be delivered to the service when the service is temporarily disabled.

25. With regard to claim 19, RFC2778 teaches the invention as substantially claimed except that the interface module comprises a plurality of duplicate components to provide fault tolerance.

However, Official Notice is taken that utilizing duplicates to allow for fault tolerance was well known in the art.

Accordingly, it would have been obvious to include a plurality of duplicate components to provide fault tolerance.

The suggestion/motivation for doing so would have been that providing duplicate components allows one of the duplicates to be utilized in situations where a component fails. This allows the service to continue to be operational even when a component fails.

26. With regard to claim 20, RFC2778 teaches an access monitor including:

a component configured to connect and disconnect a telecommunications terminal to the telecommunications server (RFC2778: Page 3 and page 8. The user can connect their terminal to the mediation server and disconnect it.),

a component configured to connect and disconnect a telecommunications service and the telecommunications server (RFC2778: Page 3, page 8. The user can connect to the mediation server as a watcher.),

a component configured to select a user profile and an availability mode in the user profile to be activated, means for selecting events of which the user wants to be notified of the appearance (RFC2778: Section 2.1. The presentities report their status to the server, and provides the information included in the presence tuple on page 6.), and

a component configured to select a telecommunications terminal to receive an incoming call (RFC2778: Page 6, contact address).

However, RFC2778 does not appear to disclose expressly:

a component configured to manage, in real time, the telecommunications services activated for the user.

However, RFC2778 does appear to be intended to be implemented on computer systems. It is noted that a computer system manages, in real time, applications and services that are being used by a user.

Thus, it would have been obvious to have means for managing, in real time, the various services activated for the user in the disclosure of RFC2778.

The suggestion/motivation for doing so would have been that managing services in real time on a user's computer system allows the computer system to be responsive to changing conditions in the services, and thus allows the computer to execute the services in an efficient manner.



27. With regard to claim 21, RFC2778 teaches the invention as substantially claimed but does not expressly disclose that the plurality of telecommunications terminals is selected from the group consisting of: a personal computer, a personal digital assistant (PDA), a cellular telephone, and a wire telephone.

However, Official Notice is taken that personal computers for instant messaging were very well known in the art.

Thus, it would have been obvious to utilize a personal computer as the telecommunications terminal of RFC2778.

The suggestion/motivation for doing so would have been that RFC2778 was most likely drafted with a personal computer in mind, and a person of ordinary skill in the art would have recognized that a personal computer would most likely be utilized by the user for the disclosure of RFC2778.

### ***Claim Rejections - 35 USC § 103***

28. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

29. Claims 24-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over RFC2778 in view of Parson et al. in US 2002/0085701, hereafter referred to as "Parsons."

30. With regard to claim 24, RFC2778 discloses the invention as substantially claimed except that the defining comprises defining a plurality of user profiles.

However, Parsons discloses a method that allows a user to define different profiles that define the communication and messaging options presented to incoming callers in each presence context (Parsons: Paragraph [0010]). The contexts include states such as "at the desk," "business travel," etc. (Parsons: Paragraph [0046]). They have the function of presenting different statuses for different devices based on the status associated with the profile.

Accordingly, it would have been obvious to utilize the multiple profiles of Parsons with the presence information of RFC2778.

The suggestion/motivation for doing so would have been that having multiple profiles allows a user to easily modify the status of a plurality of devices based on the user's specific status. For example, when a user is in a meeting, the system would set up a users devices to be in a meeting, where only text messages and e-mail may be marked as being online, but phone may be labeled as being offline. When the meeting ends, rather than the user changing the status of each of the three communication means separately, the user can instead change the status to another status, such as "at the desk," where all three means may be marked as being online. Further, having the statuses of each device change based on the user's current context, the user is less likely to forget to change the status of one device, thus resulting in a missed communication or other problems (such as a mobile phone call while in a meeting.).

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31. With regard to claim 25, RFC2778 as modified by Parsons, and applied to claim 24, above, teaches the invention as substantially claimed except the plurality of user profiles include a personal profile and a professional profile.

However, Parsons does disclose that some of the profile options includes “off duty” and “at desk” (Parsons: Paragraph [0046]). Thus, the user's profiles correspond to at least business hour profiles (professional profiles) and off duty profiles (personal profiles).

Thus, it would have been obvious to utilize the personal and professional profiles of Parsons with the method of RFC2778.

The suggestion/motivation for doing so would have been that during professional hours, the user may wish to not be interrupted except by family members, and focus on work, while during personal time, the user may wish to have all non-business contacts able to call, but be marked offline for business contacts, thus allowing the user to separate their personal and professional lives, and not be interrupted in one or the other. Thus, by allowing the user to switch to a personal mode or professional mode allows the user to utilize the same devices (e.g. mobile phone or text messaging) at all times, and easily switch from being at work to being at home.

32. With regard to claims 26-27, the instant claims are substantially similar to claims 24-25, and are rejected for substantially similar reasons.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Christensen whose telephone number is (571)270-1144. The examiner can normally be reached on Monday through Thursday 6:30AM - 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/S. C./  
Examiner, Art Unit 2444  
/William C. Vaughn, Jr./

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